SEQUENCE LISTING

(1) GENERAL INFORMATION:

    (i) APPLICANT: Drucker, Daniel J.

    (ii) TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE-2 AND ITS
        THERAPEUTIC USE

    (iii) NUMBER OF SEQUENCES: 3

    (iv) CORRESPONDENCE ADDRESS:
        (A) ADDRESSEE: Pennie & Edmonds
        (B) STREET: 1155 Avenue of the Americas
        (C) CITY: New York
        (D) STATE: N.Y.
        (E) COUNTRY: U.S.A.
        (F) ZIP: 10036-2711

    (v) COMPUTER READABLE FORM:
        (A) MEDIUM TYPE: Floppy disk
        (B) COMPUTER: IBM PC compatible
        (C) OPERATING SYSTEM: PC-DOS/MS-DOS
        (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

    (vi) CURRENT APPLICATION DATA:
        (A) APPLICATION NUMBER: US
        (B) FILING DATE:
        (C) CLASSIFICATION:

    (ix) TELECOMMUNICATION INFORMATION:
        (A) TELEPHONE: (202) 638-5000
        (B) TELEFAX: (202) 638-4810

(2) INFORMATION FOR SEQ ID NO:1:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 34 amino acids
        (B) TYPE: amino acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: peptide

    (ix) FEATURE:
        (A) NAME/KEY: Modified-site
        (B) LOCATION: 13
        (D) OTHER INFORMATION: /note= "A
            NEUTRAL/POLAR/LARGE/NONAROMATIC AMINO ACID"

    (ix) FEATURE:
        (A) NAME/KEY: Modified-site
        (B) LOCATION: 16
        (D) OTHER INFORMATION: /note= "A NEUTRAL/POLAR AMINO ACID"

    (ix) FEATURE:
        (A) NAME/KEY: Modified-site
        (B) LOCATION: 19
        (D) OTHER INFORMATION: /note= "A NEUTRAL AMINO ACID"

    (ix) FEATURE:
         (A) NAME/KEY: Modified-site
         (B) LOCATION: 20
         (D) OTHER INFORMATION: /note= "A NEUTRAL AMINO ACID"

    (ix) FEATURE:
         (A) NAME/KEY: Modified-site
5   (B) LOCATION:/ 27
         (D) OTHER INFORMATION: /note= "A
             NEUTRAL/POLAR/LARGE/NONAROMATIC AMINO ACID"

    (ix) FEATURE:
         (A) NAME/KEY: Modified-site
         (B) LOCATION: 28
         (D) OTHER INFORMATION: /note= "A NEUTRAL OR BASIC AMINO
             ACID"

10 (ix) FEATURE:
         (A) NAME/KEY: Modified-site
         (B) LOCATION: 34
         (D) OTHER INFORMATION: /note= "AN AMINO ACID SELECTED FROM
             ARG, LYS OR AN ARG-LYS CHAIN"

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

15
    His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Xaa Leu Asp Xaa
    1   5   10   15

    Leu Ala Xaa Xaa Asp Phe Ile Asn Trp Leu Xaa Xaa Thr Lys Ile Thr
                20   25   30

    Asp Xaa

20
(2) INFORMATION FOR SEQ ID NO:2:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 34 amino acids
        (B) TYPE: amino acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

25 (ii) MOLECULE TYPE: peptide

    (ix) FEATURE:
         (A) NAME/KEY: Modified-site
         (B) LOCATION: 19
         (D) OTHER INFORMATION: /note= "A NEUTRAL AMINO ACID"

    (ix) FEATURE:
30   (A) NAME/KEY: Modified-site
         (B) LOCATION: 34
         (D) OTHER INFORMATION: /note= "AN AMINO ACID SELECTED FROM
             ARG, LYS OR THE CHAIN ARG-LYS"

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

    His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
35 1   5   10   15

    Leu Ala Xaa Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr
                20   25   30

Asp Xaa

(2) INFORMATION FOR SEQ ID NO:3:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 33 amino acids
        (B) TYPE: amino acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: peptide

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
1   5   10   15

Leu Ala Thr Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr
        20   25   30

Asp

- 37 -